Johnson Brother Lumber - Madison Landfill – Database Notes

Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Control System 15 Email
Site Information	Cogeneration Units: Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	1 1600 kW Hot Water Drying Lumber Rejected
DG/CHP Generator Electrical Output	Engineering Units: Energy Measurement (net/gross): Measurement Type:	NA
DG/CHP Generator Electrical Output Demand	Engineering Units: Measurement Type:	NA
DG/CHP Generator Fuel Input	Engineering Units: Measurement type:	NA
DG/CHP Useful Heat Recovery	Engineering Units: Heat Measurement Type:	Mbtu/h
DG/CHP Unused Heat Recovery	Engineering Units: Heat Measurement Type:	NA
DG/CHP Status/Runtime	Engineering Units: Measurement Type:	NA

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Facility Purchased Energy	Engineering Units: Measurement Type:	NA
Facility Purchased Demand	Engineering Units: Measurement Type:	NA
Other Facility Gas Use	Engineering Units: Measurement Type:	NA

Table 2 Event Timeline

Date	**Event**
4/18/16	Data has been posted to the NYSERDA DG website

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Range Checks

Table 3. Range Checks

Data Point	Units	Hourly Data Calculation Method	Database Lower Range	Database Upper Range	Notes
DG/CHP Generator Output (WG_d)	kWh/int	Sum			
DG/CHP Generator Output Demand (WG_KW_d)	kW	Max			
DG/CHP Generator Gas Use (FG_d)	cf/int	Sum			
Total Facility Purchased Energy (WT_d)	kWh/int	-			
Total Facility Purchased Demand (WT_KW_d)	kW	-			
Other Facility Gas Use (FT_d)	cf/int	-			
Useful Heat Recovery (QHR_d)	MBtu/int	-	-500	6000	Only data point, provided as a pre-calculated value. We have the base measurements as well for verification.
Unused Heat Recovery (QD_d)	MBtu/int	-			
Status/Runtime of DG/CHP Generator (SG_d)	hr	-			
Ambient Temperature (TAO)	°F	Avg			

Notes:

1. This table contains values from *jbm_landfill.csv*